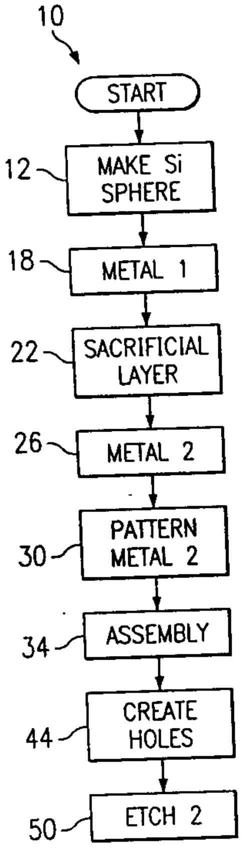

10
START
12 MAKE Si SPHERE
18 METAL 1
22 SACRIFICIAL LAYER
26 METAL 2
30 PATTERN METAL 2
34 ASSEMBLY
44 CREATE HOLES
50 ETCH 2

Fig. 1

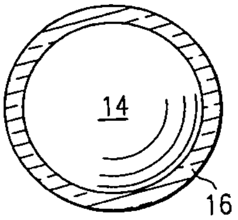


Fig. 2

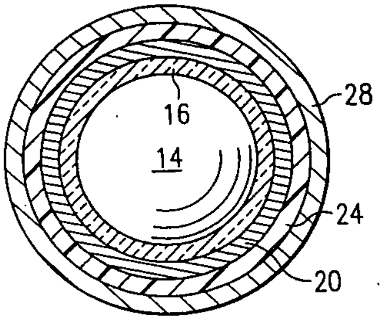

16
14
28
24
20

Fig. 3

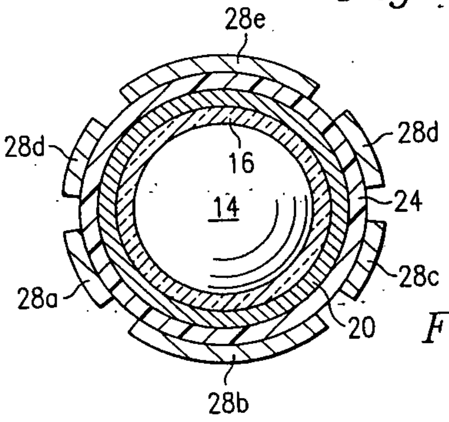

28e
28d
28d
16
14
24
28a
28c
20
28b

Fig. 4

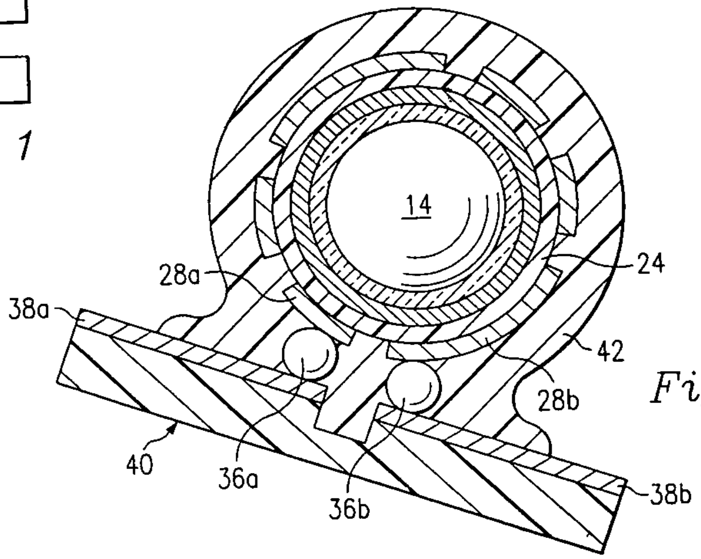

14
28a
24
38a
42
28b
40
36a
36b
38b

Fig. 5

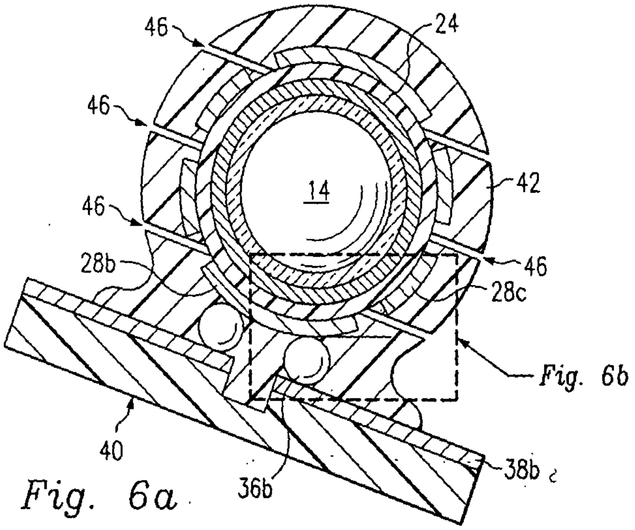


Fig. 6b

Fig. 6a

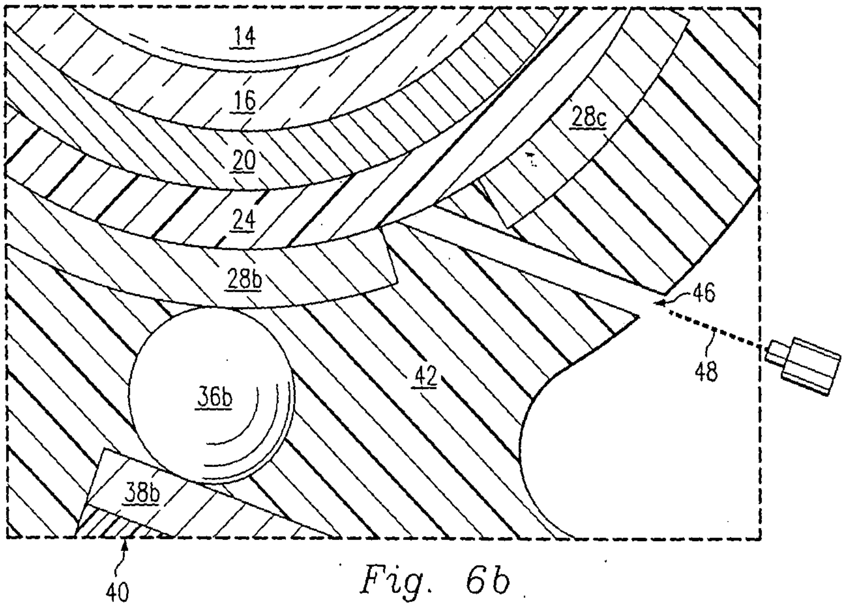


Fig. 6b

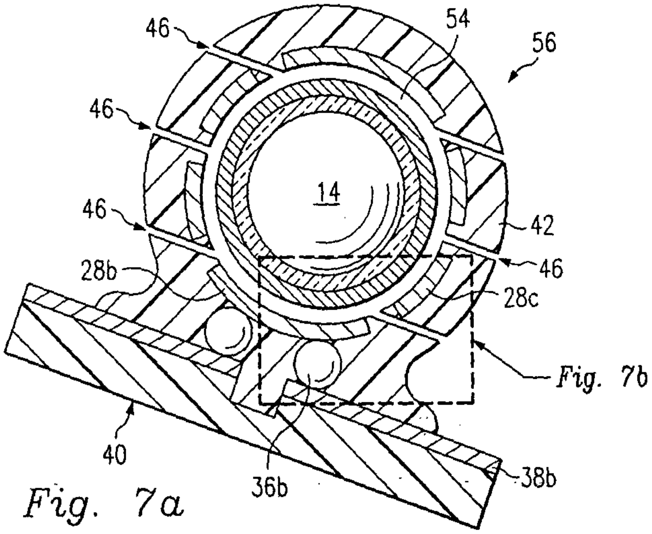


Fig. 7b

Fig. 7a

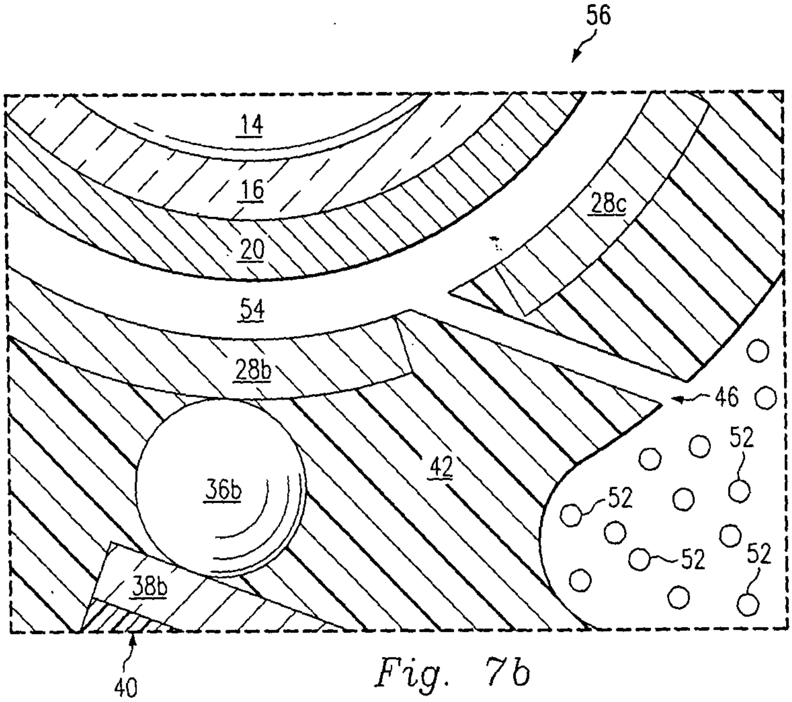


Fig. 7b

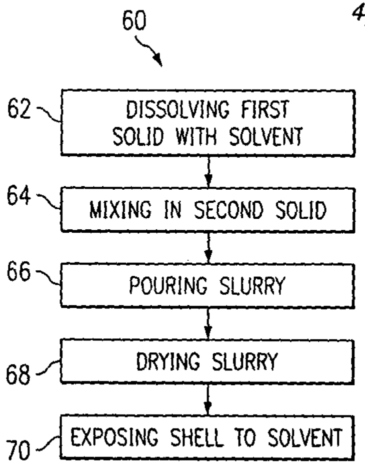

60
62
DISSOLVING FIRST SOLID WITH SOLVENT
64
MIXING IN SECOND SOLID
66
POURING SLURRY
68
DRYING SLURRY
70
EXPOSING SHELL TO SOLVENT

Fig. 8

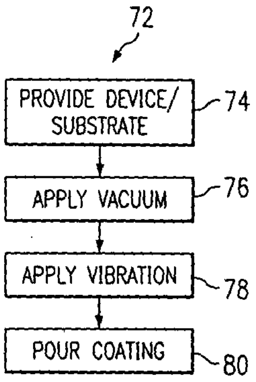

72
PROVIDE DEVICE/ SUBSTRATE
74
APPLY VACUUM
76
APPLY VIBRATION
78
POUR COATING
80

Fig. 10

Fig. 9

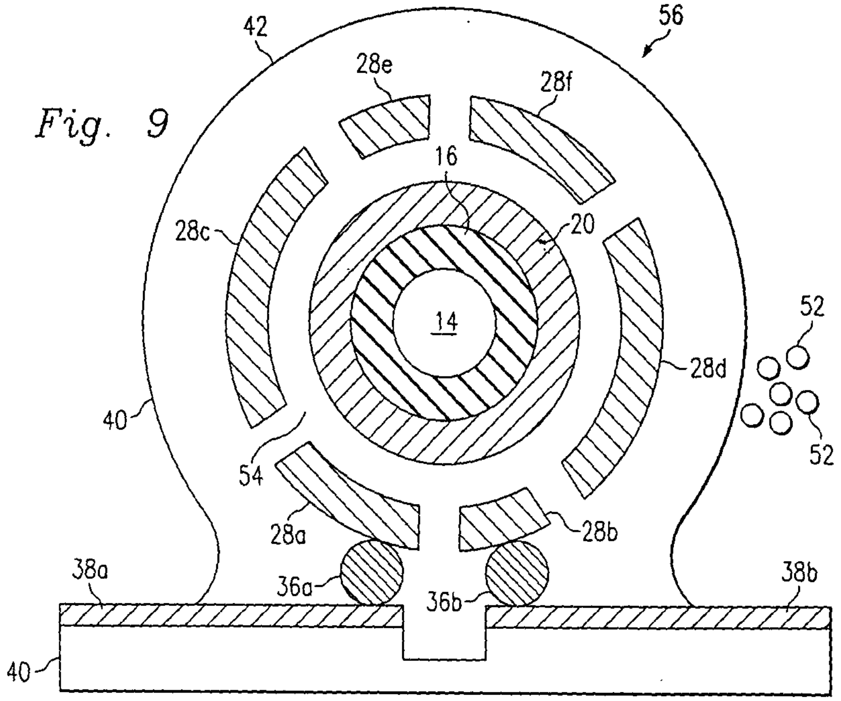

42
56
28e
28f
16
28c
20
14
52
28d
52
40
54
28a
28b
38a
36a
36b
38b
40

Fig. 11

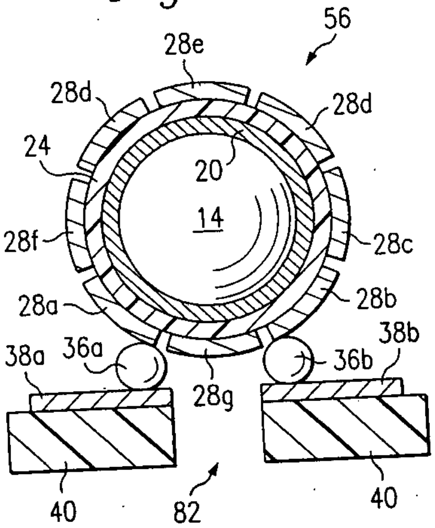
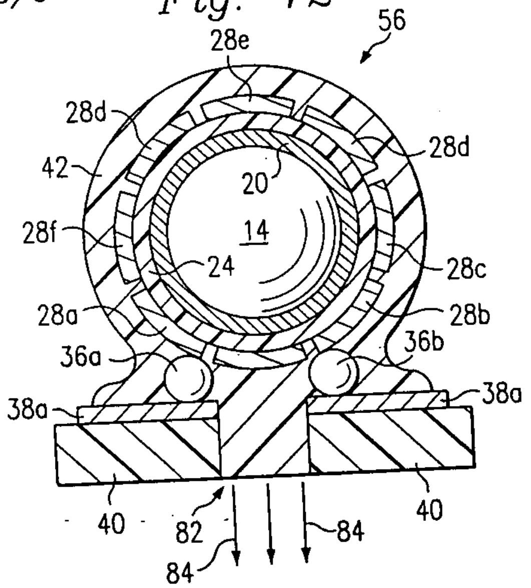

56
28e
28d
28d
24
20
14
28f
28c
28a
28b
38a
36a
36b
38b
28g
40
82
40

Fig. 12


56
28e
28d
28d
42
20
14
28f
24
28c
28a
28b
36a
36b
38a
38a
40
82
84
84
40

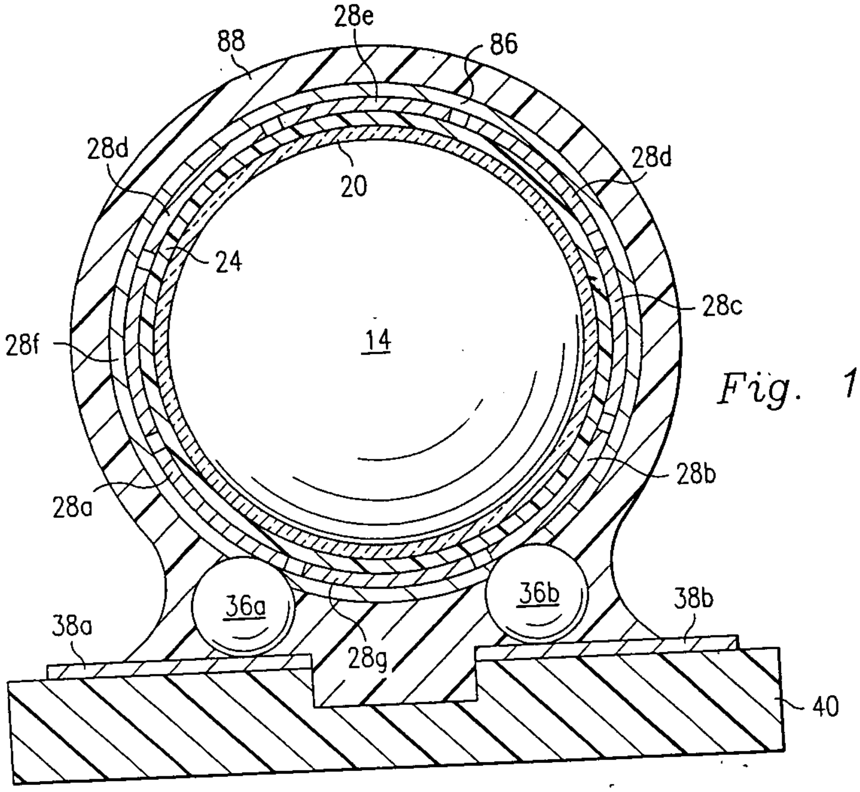
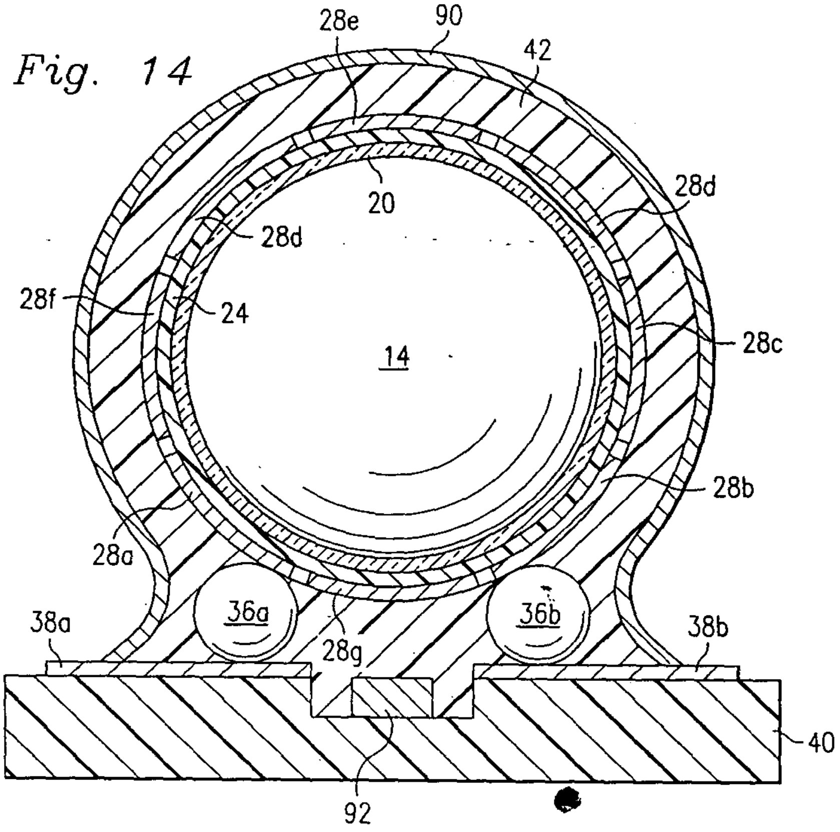

88
28e
86
28d
28d
20
24
28f
14
28c
28b
28a
36a
36b
38b
38a
28g
40

Fig. 13

Fig. 14


28e
90
42
28d
20
28d
28f
24
14
28c
28b
28a
36a
36b
38a
28g
38b
40
92